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# UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

|                               |                                    |
|-------------------------------|------------------------------------|
| <i>Attorney Docket No.</i>    | 678-1270 (P11303)                  |
| <i>First Inventor</i>         | Jung-Min RO                        |
| <i>Title</i>                  | APPARATUS AND METHOD FOR GUARD.... |
| <i>Express Mail Label No.</i> | EV 333228575 US                    |

**APPLICATION ELEMENTS**

See MPEP chapter 600 concerning utility patent application contents.

1.  Fee Transmittal Form (e.g., PTO/SB/17)  
*(Submit an original and a duplicate for fee processing)*

2.  Applicant claims small entity status.  
See 37 CFR 1.27.

3.  Specification [Total Pages 28]  
*(preferred arrangement set forth below)*

- Descriptive title of the invention
- Cross Reference to Related Applications
- Statement Regarding Fed sponsored R & D
- Reference to sequence listing, a table, or a computer program listing appendix
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (*if filed*)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4.  Drawing(s) (35 U.S.C. 113) [ Total Sheets 12 ]

5. Oath or Declaration [ Total Pages 8 ]
 

- a.  Newly executed (original or copy)
- b.  Copy from a prior application (37 CFR 1.63 (d))  
*(for continuation/divisional with Box 18 completed)*

i.  **DELETION OF INVENTOR(S)**  
Signed statement attached deleting inventor(s) named in the prior application, see 37 CFR 1.63(d)(2) and 1.33(b).

6.  Application Data Sheet. See 37 CFR 1.76

**ADDRESS TO:** Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

7.  CD-ROM or CD-R in duplicate, large table or Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission  
*(if applicable, all necessary)*

- a.  Computer Readable Form (CRF)
- b. Specification Sequence Listing on:
  - i.  CD-ROM or CD-R (2 copies); or
  - ii.  paper
- c.  Statements verifying identity of above copies

**ACCOMPANYING APPLICATION PARTS**

9.  Assignment Papers (cover sheet & document(s))

10.  37 CFR 3.73(b) Statement  Power of Attorney  
*(when there is an assignee)*

11.  English Translation Document (*if applicable*)

12.  Information Disclosure Statement (IDS)/PTO-1449  Copies of IDS Citations

13.  Preliminary Amendment

14.  Return Receipt Postcard (MPEP 503)  
*(Should be specifically itemized)*

15.  Certified Copy of Priority Document(s)  
*(if foreign priority is claimed)*

16.  Request and Certification under 35 U.S.C. 122 (b)(2)(B)(i). Applicant must attach form PTO/SB/35 or its equivalent. Checks: \$888 (*filing fee*)

17.  Other: \_\_\_\_\_ and \$40 (*recordation fee*)

18. If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment, or in an Application Data Sheet under 37 CFR 1.76:

 Continuation     Divisional     Continuation-in-part (CIP)

of prior application No.: \_\_\_\_\_ / \_\_\_\_\_

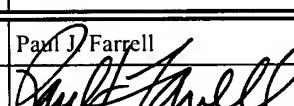
Prior application information:

Examiner \_\_\_\_\_

Group Art Unit: \_\_\_\_\_

For CONTINUATION OR DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.

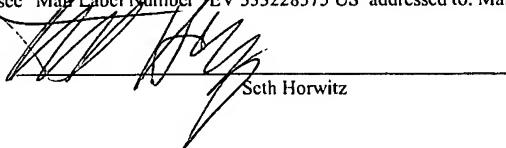
**19. CORRESPONDENCE ADDRESS**

|                          |  |  |                     |
|--------------------------|--|--|---------------------|
| <input type="checkbox"/> | Customer Number or Bar Code Label<br>(Insert Customer No. or Attach bar code label here) | <input type="checkbox"/> or <input checked="" type="checkbox"/> Correspondence address below |                     |
| Name                     | Paul J. Farrell, Esq.  |  |                     |
| Address                  | DILWORTH & BARRESE, LLP<br>333 Earle Ovington Blvd.                                      |  |                     |
| City                     | Uniondale  | State  | New York            |
| Country                  | U.S.A  | Telephone  | (516) 228-8484      |
| Name (Print/Type)        | Paul J. Farrell  | Registration No. (Attorney/Agent)  | 33,494              |
| Signature                |       |  | Date Sept. 18, 2003 |

## CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this correspondence and the documents referred to as enclosed are being deposited with the United States Postal Service on date below in an envelope as "Express Mail Post Office to Addressee" Mail Label Number EV 333228575 US addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: September 18, 2003

  
Seth Horwitz16235 U.S.P.T.O.  
10/666514

021803

16623 U.S.  
PTO  
09/18/03

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

# FEE TRANSMITTAL for FY 2003

*Patent fees are subject to annual revision.*

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$ 928.00)

### Complete if Known

|                      |                       |
|----------------------|-----------------------|
| Application Number   | Not yet assigned      |
| Filing Date          | Concurrently herewith |
| First Named Inventor | Jung-Min RO           |
| Examiner Name        | --                    |
| Art Unit             | --                    |
| Attorney Docket No.  | 678-1270 (P11303)     |

### METHOD OF PAYMENT (check all that apply)

Check  Credit card  Money Order  Other  None

Deposit Account:

|                        |                        |
|------------------------|------------------------|
| Deposit Account Number | 04-1121                |
| Deposit Account Name   | Dilworth & Barrese LLP |

The Commissioner is authorized to: (check all that apply)

Charge fee(s) indicated below  Credit any overpayments  
 Charge any additional fee(s) during the pendency of this application  
 Charge fee(s) indicated below, except for the filing fee to the above-identified deposit account.

### FEE CALCULATION (continued)

#### 3. ADDITIONAL FEES

| Large Entity | Small Entity | Fee Description  | Fee Paid      |
|--------------|--------------|--|---------------|
|              |              | Fee Code (\$)  | Fee Code (\$) |
| 1051 130     | 2051 65      | Surcharge - late filing fee or oath  |               |
| 1052 50      | 2052 25      | Surcharge - late provisional filing fee or cover sheet                     |               |
| 1053 130     | 1053 130     | Non-English specification  |               |
| 1812 2,520   | 1812 2,520   | For filing a request for ex parte reexamination                            |               |
| 1804 920*    | 1804 920*    | Requesting publication of SIR prior to Examiner action                     |               |
| 1805 1,840*  | 1805 1,840*  | Requesting publication of SIR after Examiner action                        |               |
| 1251 110     | 2251 55      | Extension for reply within first month                                     |               |
| 1252 410     | 2252 205     | Extension for reply within second month                                    |               |
| 1253 930     | 2253 465     | Extension for reply within third month                                     |               |
| 1254 1,450   | 2254 725     | Extension for reply within fourth month                                    |               |
| 1255 1,970   | 2255 985     | Extension for reply within fifth month                                     |               |
| 1401 320     | 2401 160     | Notice of Appeal   |               |
| 1402 320     | 2402 160     | Filing a brief in support of an appeal                                     |               |
| 1403 280     | 2403 140     | Request for oral hearing   |               |
| 1451 1,510   | 1451 1,510   | Petition to institute a public use proceeding                              |               |
| 1452 110     | 2452 55      | Petition to revive - unavoidable   |               |
| 1453 1,300   | 2453 650     | Petition to revive - unintentional   |               |
| 1501 1,300   | 2501 650     | Utility issue fee (or reissue)   |               |
| 1502 470     | 2502 235     | Design issue fee   |               |
| 1503 630     | 2503 315     | Plant issue fee  |               |
| 1460 130     | 1460 130     | Petitions to the Commissioner  |               |
| 1807 50      | 1807 50      | Processing fee under 37 CFR 1.17(q)  |               |
| 1806 180     | 1806 180     | Submission of Information Disclosure Stmt                                  |               |
| 8021 40      | 8021 40      | Recording each patent assignment per property (times number of properties) | 40            |
| 1809 750     | 2809 375     | Filing a submission after final rejection (37 CFR 1.129(a))                |               |
| 1810 750     | 2810 375     | For each additional invention to be examined (37 CFR 1.129(b))             |               |
| 1801 750     | 2801 375     | Request for Continued Examination (RCE)                                    |               |
| 1802 900     | 1802 900     | Request for expedited examination of a design application                  |               |

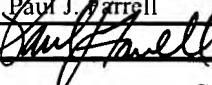
Other fee (specify) \_\_\_\_\_

\*Reduced by Basic Filing Fee Paid

**SUBTOTAL (3) (\$ 40.00)**

### SUBMITTED BY

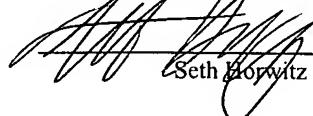
(Complete if applicable)

|                   |   |                                   |        |           |                    |
|-------------------|---|-----------------------------------|--------|-----------|--------------------|
| Name (Print/Type) | Paul J. Farrell   | Registration No. (Attorney/Agent) | 33,494 | Telephone | (516) 228-8484     |
| Signature         |  |                                   |        | Date      | September 18, 2003 |

### CERTIFICATION UNDER 37 C.F.R. § 1.8

I hereby certify that this correspondence and the documents referred to as enclosed are being deposited with the United States Postal Service on date below in an envelope as "Express Mail Post Office to Addressee" Mail Label No. EV 33228575 US addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: September 18, 2003



Seth Kornblitz

PATENT  
Atty. Docket No. 678-1270 (P11303)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Mail Stop Patent Application  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

UTILITY APPLICATION DATA SHEET UNDER 37 C.F.R. §1.76

Sir:

Transmitted herewith for filing is the patent application of

Inventor(s): Jung-Min RO, Jingyi LIAO, Hai WANG, Yongchun CHEN, Fengming CAO, Pan-Yuh JOO, Dong-Seek PARK

For: APPARATUS AND METHOD FOR GUARD INTERVAL  
INSERTING/REMOVING IN AN OFDM COMMUNICATION SYSTEM

Enclosed are:

[X] 22 page(s) of specification  
[X] 1 page(s) of Abstract  
[X] 5 page(s) of claims  
[X] 12 sheets of drawings [ ] formal [X] informal  
[X] 8 page(s) of Declaration and Power of Attorney

ASSIGNEE NAME: SAMSUNG ELECTRONICS CO., LTD.

ASSIGNEE RESIDENCE: KYUNGKI-DO, KOREA

CERTIFICATION UNDER 37 C.F.R. § 1.10

I hereby certify that this New Application Transmittal and the documents referred to as enclosed therein are being deposited with the United States Postal Service on this date September 18, 2003 in an envelope as "Express Mail Post Office to Addressee" Mail Label No. EV 333228575 US addressed to: Mail Stop Patent Application, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Dated: September 18, 2003

  
Seth Horwitz

This application claims the benefit under 35 U.S.C. §119(e) of U.S. Provisional Application(s) No(s).:

APPLICATION NO(S).:

FILING DATE

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Certified copy of application

Country

Appln. No.

Filed

KOREA

61332/2002

8 October 2002

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from which priority under Title 35 United States Code, § 119 is claimed

is enclosed.

will follow.

**CALCULATION OF UTILITY APPLICATION FEE**

| For                     | Number Filed | Number Extra | Rate   | Basic Fee \$750.00    |
|-------------------------|--------------|--------------|--------|-----------------------|
| TOTAL CLAIMS            | 23           | 3            | x 18 = | \$54.00               |
| INDEPENDENT CLAIMS      | 4            | 1            | x 84 = | \$84.00               |
| [ ] Multiple Dep. Claim |              |              | 280    | \$.00                 |
|                         |              |              |        | <b>TOTAL \$888.00</b> |

Verified Statement of "Small Entity" Status Under 37 C.F.R. § 1.27. Reduced fees under 37 C.F.R. § 1.9(f) (50% of total) paid herewith \$.

The amount of \$40.00 for recording the attached Assignment is enclosed as a separate check.

Check(s) in the amount of \$888.00 and \$40.00 to cover the  filing fee(s),  recording fee(s) are attached.

Charge fee to Deposit Account No. 04-1121.  
TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Please charge any deficiency as well as any other fee(s) which may become due under 37 C.F.R. § 1.16 and 1.17, at any time during the pendency of this application, or credit any overpayment of such fee(s) to Deposit Account No. 04-1121. Also, in the event any extensions of time for responding are required for the pending application(s), please treat this paper as a petition to extend the time as required and charge Deposit Account No. 04-1121 therefor. TWO (2) COPIES OF THIS SHEET ARE ENCLOSED.

Respectfully submitted,

Date: September 18, 2003



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Paul J. Farrell  
Reg. No. 33,494  
Attorney for Applicants

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